



Product Evaluation

WIN1986 | 0515

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-1986

Effective Date: May 1, 2015

Re-evaluation Date: January 2018

Product Name: Series 1650 HP Vinyl Single Hung Windows, New and Replacement Construction, Impact Resistant

Manufacturer: MI Windows and Doors, Inc.
650 West Market Street
Gratz, PA 17030-0370
(717) 365-3300

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 1650 HP Vinyl Single Hung Windows; FIN; O/X	R-PG50 52 x 72-H	+50 / -50 psf
2	Series 1650 HP Vinyl Single Hung Windows; FINLESS; O/X	R-PG50 52 x 72-H	+50 / -50 psf
3	Series 1650 HP Vinyl Single Hung Windows; FIN; O/X	R-PG50 52 x 72-H	+50 / -50 psf
4	Series 1650 HP Vinyl Single Hung Windows; FINLESS; O/X	R-PG50 52 x 72-H	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Glass Daylight Size
1	52-1/8" x 72"	48-3/4" x 35-3/4"	44-5/8" x 31-3/8"
2	52-1/8" x 72"	48-3/4" x 35-3/4"	44-5/8" x 31-3/8"
3	52-1/8" x 72"	48-3/4" x 35-3/4"	44-5/8" x 31-3/8"
4	52-1/8" x 72"	48-3/4" x 35-3/4"	44-5/8" x 31-3/8"

Product Identification (Certification Agency Label on Window):

System		
1, 3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-2
	Product Name	1650 HP SH (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506-06; Missile Level D
2, 4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-2
	Product Name	1650 HP SH (FINLESS)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA 506-06; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3, 4	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

System		
1, 3	Type of Installation	Nailing Fin
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 6 x 1-5/8" Screws
	Fastener Location/Spacing	Approximately 2" from each corner and approximately 10" on center along the perimeter.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2, 4	Type of Installation	Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 x 2-1/2" Screws
	Fastener Location/Spacing	Approximately 4" from the head and the sill, one at the mid span of each side jamb
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Note: Keep the manufacturer's installation instructions on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, IBC, and the Texas Revisions.